



## **DISCONTINUED PRODUCT NOTIFICATION**

**NOTIFICATION DATE:** November 09, 2020

**PRODUCT DISCONTINUATION #:** M series joysticks - **M** potentiometer option

**PRODUCT REPLACEMENT #:** M series joysticks – **P** potentiometer option  
M series joysticks – **R** potentiometer option

**LAST TIME BUY:** While supplies last. Supply is very limited.

**LAST TIME SHIPMENT:** March 24, 2021

Dear Valued Customer:

This letter is to inform you that the **M** potentiometer option for the M series joystick is being discontinued. The M potentiometer has been discontinued from the manufacturer and is no longer available. Remaining supply is very limited. The chart below details the affected part numbers:

M11C011M	M21C0E1M	M31C081M	M41C091M
M11C031M	M21C0G1M	M31C081M100	M41C0N1M
M11C031MMJ5SGRY	M21C0H1M	M31C0M1M	M41F0Q1M
M11C061M	M21F0E1M	M31L081M	M41L091M
M11C061M100	M21L051M	M31L081M100	M41L091M100130665
M11C6A1M	M21L051MX	M31L081M127221	M41L091MGND
M11C6C1M	M21L0E1M	M31L0M1M	M41L0N1M
M11F001M	M21L0G1M	M31L0M1M75	M41L0Q1M
M11F031M	M21L0H1M	M31L681M	M41L0Q1M2242
M11F0B1M	M21L0H1M100127423	M31Q031MMJ5SBLK	USBM21Q051MMJ2S2496
M11F661M	M21L0H1M1001684	M31Q081MMJ0BLK	USBM31Q081MMJ0BLK
M11F6B1M	M21L0H1MX	M31Q0M1MMJ5SBLK	USBM31Q081MMJS
M11L001M	M21Q0G1MMJ0GRY	M31X081M	USBM31Q0M1MMJSBLK
M11L021M			
M11L031M			
M11L031M75			
M11L061M			
M11L061M1001695			
M11L061MX			
M11L061MX1001696			M2843
M11L0A1M			M4441
M11L0B1M			M134480
M11L0C1M			M134563
M11L0C1MX			M134495
M11Q011M			M11F0A1M
M11Q031MMJ5SBLK			M133295
M11Q031MMJ5SGRY			M134032



M series joysticks configured with the **P** and **R** potentiometer will serve as close replacements for the discontinued option. The comparison chart below details technical specifications for these potentiometers.

POTENTIOMETER OPTION	P	R	M
ELECTRICAL ELEMENT	CONDUCTIVE PLASTIC	CONDUCTIVE PLASTIC	CONDUCTIVE PLASTIC
RESISTANCE	5K $\Omega$ +/-20%	5K $\Omega$ +/-20%	5K $\Omega$ +/-20%
POWER RATING	.25W @ 40°C	1.0W @ 85°C	.5W @ 70°C
TEMPERATURE RATING	-10°C to +85°C	-40°C to +125°C	-40 to +120°C
ELECTRICAL TRAVEL	220° +/- 10°	50° +/- 4°C	56° +/- 5°C
ROTATIONAL LIFE	1M	10M	1M

In addition to the **R** and **P** potentiometer options, APEM also offers the JC series Hall effect joystick. The JC series matches the panel cutout dimensions of the M series Resistive joystick, but provides the added benefits of long life Hall effect technology.

In an effort to ease your transition to the P or R potentiometer, APEM, Inc. is offering a Last Time Buy of your existing M potentiometer joystick while supplies last. The Last Time Buy is effective immediately and valid while supplies last.

Please contact your APEM sales representative for further information.

Best regards,

Mark Petersen  
Product Manager